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Book Reviews

TUMA, J. J., *Handbook of Physical Calculations*, McGraw–Hill, 1976, 370 pp. Older mathematicians set in their ways will find it easier and less traumatic to learn physics quickly and without frills from a book like this, than from a fancy pseudo-elementary treatise like the Feynmann lectures.

COLLATZ, L., AND WETTERLING, W., *Optimization Problems*, Springer, 1975, 356 pp. Substantial, coherent, thorough, impeccable, complete, elegant, and useful.

PICKERT, G., *Projective Ebenen*, 2nd ed., Springer, 1975, 372 pp. It is comforting to see an old classic in a beloved subject make its second edition. Three cheers.

CONSTANTINESCU, F., AND MAGYARI, E., *Problems in Quantum Mechanics*, Pergamon, 1971, 419 pp. Fellow mathematicians: if you want to learn quantum mechanics, this set of exercises is the most entertaining and painless way.

QUINE, W. V., *The Ways of Paradox*, Harvard University Press, 1976, 335 pp. More paradoxes than ways. The leading philosopher of logic has collected new and older essays and they are uniformly delightful.

KELLER, O.-H., *Vorlesungen über algebraische Geometrie*, Akademische Verlagsgesselschaft, 1974, 334 pp. Textbooks in algebraic geometry oscillate between Scylla and Charybdis: Either they stick to the latest fad, thereby becoming accessible to the dozen-odd initiates, or they try to give a more balanced diet, thereby becoming estranged from the fold but available to a wide public. The author has chosen Charybdis.

BROWN, J. R., *Ergodic Theory and Topological Dynamics*, Academic Press, 1976, 190 pp. The first textbook in ergodic theory in a long time. Brings the subject up to date and does not shun the more complex results, such as Ornstein's theorem on Bernoulli shifts.

MELZAK, Z. A., *Mathematical Ideas, Modeling and Applications*, Wiley, 1976, 322 pp. Some of us thought it impossible for the author to top the brilliant performance of his wildly successful "Companion to Concrete Mathematics," but he has done it again, with brilliance and rare scholarship. Now let us have a third volume.

CORMAN, J. W., *Perception, Common Sense and Science*, Yale University Press, 1975, 420 pp. Technical treatise for philosophers by a philosopher, but of tangential interest to mathematicians with mild philosophical leanings.

EVERITT, B., *Cluster Analysis*, SSRC, 1974, 122 pp. See the review of the homonymous book by Anderberg previously published in this Journal.

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